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Quality Engineering Test Report

SERIES: SUS01L 1W UNREGULATED DC-DC CONVERTER

SAMPLE: SUS01L-05 INPUT:+5VDC±10% OUTPUT:+5VDC / 200mA

NO	TEST ITEM	TEST CONDITION / SPECIFICATION	RESULT	VERDICT
1	DC INPUT VOLTAGE RANGE	I/P:TESTING SPEC: 5±10% VDC O/P:FULL LOAD	4.7~5.5VDC	P
2	LINE REGULATION	I/P: 5±10% VDC SPEC:1.2%(1%Vin change) O/P: FULL LOAD	-1.21%~+1.22%	P
3	LOAD REGULATION	I/P: 5VDC SPEC: ±8% O/P:20% TO FULL LOAD	-4.8%~+3.3%	P
4	OUTPUT VOLTAGE TOLERANCE	I/P: 4.5~5.5VDC SPEC: NONE O/P:20% TO FULL LOAD	-12.1%~+15.4%	P
5	RIPPLE&NOISE	I/P: 5VDC SPEC: 100mV O/P:FULL LOAD	30mV	P
6	DC INPUT CURRENT	I/P: 5VDC SPEC: NONE O/P:FULL LOAD	0.27A	P
7	O/P VOLTAGE ACCURACY	I/P: 5VDC SPEC: ±2%(MAX.) O/P:FULL LOAD	-0.2%	P
8	SET UP TIME	I/P:5VDC SPEC: NONE O/P:FULL LOAD	0.87mS	P
9	EFFICIENCY	I/P: 5VDC SPEC: 75%(TYPICAL) O/P:FULL LOAD	74.0%	P
10	INSULATION RESISTANCE	SPEC:I/P-O/P 500VDC/100M Ohms MIN.	I/P-O/P >100M Ohms	P
11	DIELECTRIC / WITHSTAND VOLTAGE	SPEC: I/P- O/P: 1000VDC/ 1 min (10mA CUT-OFF)	NO BREAK I/P-O/P :<0.02mA	P
12	BURN-IN TEST	I/P:5VDC O/P:FULL LOAD TA:26°C BURN-IN DURATION : 4 hrs	NO BREAK	P
13	TEMPERATURE RISE TEST T rise OF PARTS	I/P :5VDC AFTER 4 hrs BURN-IN O/P :FULL LOAD TA:26°C		P
14	CONSTRUCTION INSPECTION (FOR QC INSPECTION REFERENCE ONLY)	1. PACKING : 先以軌道型塑膠包裝,再以紙盒包裝 2. MARKING : MODEL 3. MECHANICAL : SIX-SIDED SHIELD PLASTIC CASE 4. DIMENSIONS : WXHXD=22.6X8.4X9.9mm, PIN : 3.8mm		

POSITION	SAMPLE	TEMP	T rise
CASE	SUS01L-05	38.7°C	12.7°C

DATE	SAMPLE	TEST RESULT	TEST	APPROVAL
12.18.1998	SUS01L-05	PASS	T.K.CHENG	MAX LIN